

## Description

[Rechargeable power unit to meet the demands of electronic devices by assisting vehicle power supply in high demand situations ]

### DETAILED DESCRIPTION

- [0001] The power unit is comprised of a PVC container, a 12-volt rechargeable battery, a SPST N/O relay, 2 diodes and wiring. Use of the unit between the vehicle power supply and the electronic device will maintain ample power to the electronic device should the vehicle's own demand become excessive in short term situations.
- [0002] Heavy weight commercial vehicles are good examples of vehicles that may put demands on their electrical systems (lights, blowers, motors, etc) that can drop the power to very low levels. If an electronic device such as a computer is being supplied by that vehicle's power, it can cause many problems from lockup to burn up. By installing the

power unit, vehicle power will be added to the battery power and sent to the electronic device. When vehicle power is turned off, battery disengages from system. In normal or low demand situations, the battery will be recharged.

[0003] Electronic device failure can cause from an annoyance to an extreme hazard; a very short power drop can lockup a computer. This unit will provide power only to the electronic device and maintain supply until high vehicle demand returns to normal. This unit will save the costs associated with lost time & failures from electronic device problems. This unit is not an uninterruptible power supply and will discontinue power when vehicle power is turned off.